

**RECHARGEABLE ELECTRONIC DEVICE SYSTEM AND METHOD FOR  
RECHARGING AN ELECTRONIC DEVICE**

**ABSTRACT OF THE DISCLOSURE**

5           A rechargeable electronic device system including a  
charging device and a rechargeable electronic device. The  
charging device includes at least one laser source. The  
rechargeable electronic device is mounted in the charging  
device. The rechargeable device includes a rechargeable  
10 battery and at least one photovoltaic receptor. The at  
least one laser source is aligned with the at least one  
photovoltaic receptor such that the at least one laser  
source emits laser light to the at least one photovoltaic  
receptor. The at least one photovoltaic receptor converts  
15 laser light to energy used to recharge the rechargeable  
battery.